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NEWS 7 DEC 12 GBFULL now offers single source for full-text coverage of complete UK patent families
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NEWS 12 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 14 FEB 10 COMPENDEX reloaded and enhanced
NEWS 15 FEB 11 WTEXTILES reloaded and enhanced
NEWS 16 FEB 19 New patent-examiner citations in 300,000 CA/Cplus patent records provide insights into related prior art
NEWS 17 FEB 19 Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18 FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19 FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20 FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21 FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22 FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24 MAR 11 EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25 MAR 11 ESBIOBASE reloaded and enhanced
NEWS 26 MAR 20 CAS databases on STN enhanced with new super role for nanomaterial substances

S/N 10/575, 731

NEWS 27 MAR 23 CA/CAplus enhanced with more than 250,000 patent equivalents from China

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 02:11:43 ON 30 MAR 2009

=> set abbr on perm
SET COMMAND COMPLETED

=> set plurals on perm
SET COMMAND COMPLETED

=> file inpadoc caplus
COST IN U.S. DOLLARS
SINCE FILE
ENTRY SESSION
0 .22 0 .22
FULL ESTIMATED COST

FILE 'INPADOCDB' ENTERED AT 02:12:18 ON 30 MAR 2009
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FILE 'CAPLUS' ENTERED AT 02:12:18 ON 30 MAR 2009
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=> s su 409723/pn
L1 2 SU 409723/PN

=> d 11 1-2 all

L1 ANSWER 1 OF 2 INPADOCDB COPYRIGHT 2009 EPO/FIZ KA on STN

AN 41866053 INPADOCDB
FN 29046302
DT Patent
PI SU 409723 A1 19740105
PIT SUA1 DESCRIPTION OF THE INVENTION FOR AN INVENTOR'S CERTIFICATE
DAV 19740105 printed-with-grant
STA GRANTED
AI SU 1971-1626567 A 19710224
AIT SUA Patent application
PRAI SU 1971-1626567 A 19710224 (SUA, X)

S/N 10/575,731

PRAIT SUA Patent application
ICM B01D057-00
IPCR B01D0057-00 [I,A]
B01D0057-00 [I,C*]
PA AI; AN; DAV; DT; ICM; IPC; IPCR; PI; PIT; PRAI

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1974:526387 CAPLUS
DN 81:126387
OREF 81:19945a,19948a
ED Entered STN: 12 May 1984
TI Purification of gases from microimpurities
IN Shvachkin, Yu. A.; Konstandi, B. V.; Zakharov, V. D.
PA Sterlitamak Experimental-Industrial Plant for Production of Isoprene
Rubber
SO U.S.S.R.
From: Otkrytiya, Izobret., Prom. Obraztsy, Tovarnye Znaki 1974, 51(1), 17.
CODEN: URXXAF
DT Patent
LA Russian
IC B01D
CC 59-2 (Air Pollution and Industrial Hygiene)
PAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI SU 409723 A1 19740105 SU 1971-1626567 19710224 <--
PRAI SU 1971-1626567 A 19710224
CLASS
PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

SU 409723 IC B01D
IPCI B01D0057-00
IPCR B01D0053-34 [I,C*]; B01D0053-34 [I,A]; B01D0053-02
[I,C*]; B01D0053-02 [I,A]; B01D0053-82 [I,C*];
B01D0053-82 [I,A]; B01D0057-00 [I,C*]; B01D0057-00
[I,A]
AB Vapors of H₂O, O, H₂S, arsine, and phosphine are removed from gases by
contact with organometallic compds. on an inert porous carrier. This
purification is more efficient and less hazardous.
ST organometal gas purifn; arsine removal gas organometallic; phosphine
removal gas organometallic; water removal gas organometallic; oxygen
removal gas organometallic
IT Waste gases
(treatment of, organometallic compds. in)
IT Organometallic compounds
RL: OCCU (Occurrence)
(waste gas treatment by)
IT 7732-18-5 7782-44-7, uses and miscellaneous 7783-06-4, uses and
miscellaneous 7784-42-1 7803-51-2
RL: REM (Removal or disposal); PROC (Process)
(removal of, from waste gas by organometallic compds.)

=> FIL STNGUIDE
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 9.38 9.60

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
ENTRY SESSION

S/N 10/575,731

CA SUBSCRIBER PRICE -0.82 -0.82

FILE 'STNGUIDE' ENTERED AT 02:13:23 ON 30 MAR 2009
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 27, 2009 (20090327/UP).

=> file uspatall caplus japiro	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.70	10.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.82

FILE 'USPATFULL' ENTERED AT 02:19:07 ON 30 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 02:19:07 ON 30 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 02:19:07 ON 30 MAR 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 02:19:07 ON 30 MAR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE 'JAPIO' ENTERED AT 02:19:07 ON 30 MAR 2009
COPYRIGHT (C) 2009 Japanese Patent Office (JPO)- JAPIO

=> s (alkyl?(3a)(aluminum or zinc or lithium or magnesium or calcium or boron or tin))(s)(angle(2a)repose#)
L2 5 (ALKYL?(3A)(ALUMINUM OR ZINC OR LITHIUM OR MAGNESIUM OR CALCIUM
OR BORON OR TIN))(S)(ANGLE(2A) REPOSE#)

=> d 12 1-5 ibib abs

L2 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2007:272601 USPATFULL
TITLE: Gels, gel composites, and gel articles
INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 20070238835	A1 20071011
APPLICATION INFO.:	US 2007-810584	A1 20070605 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2007-787257, filed on 12 Apr 2007, PENDING Continuation-in-part of Ser. No. US 2004-912464, filed on 4 Aug 2004, GRANTED, Pat. No. US 7226484 Continuation-in-part of Ser. No. US 2003-613567, filed on 2 Jul 2003, GRANTED, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420489, filed on 21 Apr 2003, GRANTED, Pat. No. US 7222380 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, GRANTED, Pat. No. US	

7193002 Continuation-in-part of Ser. No. US 2003-420488, filed on 21 Apr 2003, GRANTED, Pat. No. US 7134929 Continuation-in-part of Ser. No. US 2003-420490, filed on 21 Apr 2003, GRANTED, Pat. No. US 7105607 Continuation-in-part of Ser. No. US 2003-420491, filed on 21 Apr 2003, GRANTED, Pat. No. US 7093599 Continuation-in-part of Ser. No. US 2003-420492, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420493, filed on 21 Apr 2003, GRANTED, Pat. No. US 7067583 Continuation-in-part of Ser. No. US 2004-896047, filed on 22 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2002-273828, filed on 17 Oct 2002, GRANTED, Pat. No. US 6909220 Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, GRANTED, Pat. No. US 7159259 Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, ABANDONED Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, GRANTED, Pat. No. US 6794440 Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, GRANTED, Pat. No. US 7134236 Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, GRANTED, Pat. No. US 7208184 Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, GRANTED, Pat. No. US 7108873 Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, GRANTED, Pat. No. US 6867253 Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, GRANTED, Pat. No. US 6627275 Continuation-in-part of Ser. No. US 1999-230940, filed on 3 Feb 1999, GRANTED, Pat. No. US 6161555 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, GRANTED, Pat. No. US 6117176

NUMBER	DATE
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PRIORITY INFORMATION: JP 2003-204428 20030731
WO 1994-US4278 19940419
WO 1994-US7314 19940627

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: John Y. Chen, Applied Elastomerics, Inc., 163 W. Harris Avenue, South San Francisco, CA, 94080, US

NUMBER OF CLAIMS: 11

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 22 Drawing Page(s)

LINE COUNT: 5757

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A tear and fatigue resistant gels, gel composites, and gel articles including collapsible articles having two or more communicating internal volumes like cavities when depressed by external pressure or force is capable of collapsing unto itself in a controllable and directionally preselected manner by venting static air within said internal through openings in said gel article, said gel article is made from gel compositions with one or more waxes and one or more selected plasticizers having rigidity of from about 20 gram Bloom to about 1,800 gram Bloom suitable for cushioning and other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2007:225848 USPATFULL
TITLE: Collapsible gel articles
INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20070197949	A1	20070823
APPLICATION INFO.:	US 2007-787257	A1	20070412 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-912464, filed on 4 Aug 2004, GRANTED, Pat. No. US 7226484 Continuation-in-part of Ser. No. US 2003-613567, filed on 2 Jul 2003, GRANTED, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420489, filed on 21 Apr 2003, GRANTED, Pat. No. US 7222380 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, GRANTED, Pat. No. US 7193002 Continuation-in-part of Ser. No. US 2003-420488, filed on 21 Apr 2003, GRANTED, Pat. No. US 7134929 Continuation-in-part of Ser. No. US 2003-420490, filed on 21 Apr 2003, GRANTED, Pat. No. US 7105607 Continuation-in-part of Ser. No. US 2003-420491, filed on 21 Apr 2003, GRANTED, Pat. No. US 7093599 Continuation-in-part of Ser. No. US 2003-420492, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420493, filed on 21 Apr 2003, GRANTED, Pat. No. US 7067583 Continuation-in-part of Ser. No. US 2004-896047, filed on 22 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2002-273828, filed on 17 Oct 2002, GRANTED, Pat. No. US 6909220 Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, GRANTED, Pat. No. US 7159259 Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, ABANDONED Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, GRANTED, Pat. No. US 6794440 Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, GRANTED, Pat. No. US 7134236 Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, GRANTED, Pat. No. US 7208184 Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, GRANTED, Pat. No. US 7108873 Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, GRANTED, Pat. No. US 6867253 Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, GRANTED, Pat. No. US 6627275 Continuation-in-part of Ser. No. US 1999-230940, filed on 3 Feb 1999, GRANTED, Pat. No. US 6161555 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, GRANTED, Pat. No. US 6117176		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Applied Elastomerics, Inc., 163 W. Harris Avenue, South San Francisco, CA, 94080, US		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	22 Drawing Page(s)		
LINE COUNT:	3929		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB	A tear and fatigue resistant gel article comprising two or more		

communicating internal volumes like cavities when depressed by external pressure or force is capable of collapsing unto itself in a controllable and directionally preselected manner by venting static air within said internal through openings in said gel article, said gel article is made from gel compositions having rigidity of from about 20 gram Bloom to about 1,800 gram Bloom suitable for cushioning and other uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 3 OF 5 USPATFULL on STN
 ACCESSION NUMBER: 2005:65233 USPATFULL
 TITLE: Tear resistant, crystalline midblock copolymer gels and articles
 INVENTOR(S): Chen, John Y., Pacifica, CA, United States
 PATENT ASSIGNEE(S): Applied Elastomerics, Inc., South San Francisco, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6867253	B1	20050315	
APPLICATION INFO.:	US 2000-721213	20001121	(9)	
RELATED APPLN. INFO.:				
			Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, now abandoned Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, now patented, Pat. No. US 6420475 Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, now patented, Pat. No. US 6627275 Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, now patented, Pat. No. US 6324703 Continuation-in-part of Ser. No. WO 1997-US17534, filed on 30 Sep 1997 Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Jul 1997, now patented, Pat. No. US 6050871 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, now patented, Pat. No. US 6117176 Continuation-in-part of Ser. No. US 1996-719817, filed on 30 Sep 1996, now patented, Pat. No. US 6148830 Continuation-in-part of Ser. No. US 1996-665343, filed on 17 Jun 1996 Continuation-in-part of Ser. No. US 1996-612586, filed on 8 Mar 1996, now patented, Pat. No. US 6552109 Continuation-in-part of Ser. No. US 1995-581191, filed on 29 Dec 1995, now patented, Pat. No. US 5760117 Continuation-in-part of Ser. No. US 1995-581188, filed on 29 Dec 1995, now abandoned Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, now patented, Pat. No. US 5962572 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, now patented, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, now patented, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994 Continuation-in-part of Ser. No. US 288690 Continuation-in-part of Ser. No. WO US9404278 Continuation-in-part of Ser. No. US 288690 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994 Continuation-in-part of Ser. No. WO	

US9404278
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Harlan, Robert D.
NUMBER OF CLAIMS: 17
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 48 Drawing Figure(s); 10 Drawing Page(s)
LINE COUNT: 3765
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel gels and articles are formed from one or more multiblock copolymers having at least one block segment of poly(ethylene) and selected amounts of one or more low viscosity plasticizers, said gels having an amount of crystallinity, glassy components, selected amounts of plasticizers, with or without other additives sufficient to achieve improvements in one or more physical properties including improved crack propagation resistance, improved tea resistance, improved resistance to fatigue and resistance to catastrophic failure not obtainable in amorphous gels and exceptionally lower and/or no tack.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 4 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2005:10537 USPATFULL
TITLE: Tear resistant gels and articles for every uses
INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 20050008669	A1	20050113
	US 7226484	B2	20070605
APPLICATION INFO.:	US 2004-912464	A1	20040804 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, GRANTED, Pat. No. US 6117176		
	Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Aug 1997, GRANTED, Pat. No. US 6050871		
	Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, GRANTED, Pat. No. US 6324703		
	Continuation-in-part of Ser. No. US 1998-130545, filed on 8 Aug 1998, GRANTED, Pat. No. US 6627275		
	Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, GRANTED, Pat. No. US 6420475		
	Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-412886, filed on 5 Oct 1999, ABANDONED		
	Continuation-in-part of Ser. No. US 2000-517230, filed on 2 Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, PENDING		
	Continuation-in-part of Ser. No. US 2001-896047, filed on 30 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, PENDING Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, GRANTED, Pat. No. US 6794440		
	Continuation-in-part of Ser. No. US 2002-273828, filed on 17 Oct 2002, PENDING Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, PENDING		
	Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, PENDING Continuation-in-part of Ser.		

No. US 2003-420089, filed on 22 Apr 2003, PENDING
Continuation-in-part of Ser. No. US 2003-420487, filed
on 21 Apr 2003, PENDING Continuation-in-part of Ser.
No. US 2003-420488, filed on 21 Apr 2003, PENDING
Continuation-in-part of Ser. No. US 2003-420490, filed
on 21 Apr 2003, PENDING Continuation-in-part of Ser.
No. US 2003-420491, filed on 21 Apr 2003, PENDING
Continuation-in-part of Ser. No. US 2003-420492, filed
on 21 Apr 2003, PENDING Continuation-in-part of Ser.
No. US 2003-420493, filed on 21 Apr 2003, PENDING
Continuation-in-part of Ser. No. US 2003-613567, filed
on 2 Jul 2003, PENDING Continuation-in-part of Ser. No.
US 2003-675509, filed on 30 Sep 2003, PENDING
Continuation-in-part of Ser. No. US 2003-746196, filed
on 25 Dec 2003, PENDING Continuation-in-part of Ser.
No. WO 1997-US17534, filed on 30 Sep 1997, PENDING
Continuation-in-part of Ser. No. US 1996-719817, filed
on 30 Sep 1996, GRANTED, Pat. No. US 6148830
Continuation-in-part of Ser. No. US 1996-665343, filed
on 17 Jun 1996, PENDING Continuation-in-part of Ser.
No. US 1996-612586, filed on 8 Mar 1996, GRANTED, Pat.
No. US 6552109 Continuation-in-part of Ser. No. WO
1994-US4278, filed on 19 Apr 1994, PENDING
Continuation-in-part of Ser. No. WO 1994-US7314, filed
on 27 Jun 1994, PENDING Continuation-in-part of Ser.
No. US 1994-288690, filed on 11 Aug 1994, GRANTED, Pat.
No. US 5633286 Continuation-in-part of Ser. No. US
1995-581188, filed on 29 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1995-581191, filed
on 29 Dec 1995, GRANTED, Pat. No. US 5760117
Continuation-in-part of Ser. No. US 1995-581125, filed
on 29 Dec 1995, GRANTED, Pat. No. US 5962572

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: Applied Elastomerics, Inc., 163 W. Harris Avenue, South
San Francisco, CA, 94080

NUMBER OF CLAIMS: 20

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 6 Drawing Page(s)

LINE COUNT: 4980

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Soft, tear resistant gel, gel composites and gel articles for various
uses formed from one or a mixture of two or more block copolymers with
or without one or more selected other polymers and additives in
combination with one or more selected plasticizers being in sufficient
amounts to achieve a gel rigidity of from about 20 gram Bloom to about
1,800 gram Bloom.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 5 OF 5 USPAT2 on STN

ACCESSION NUMBER: 2005:10537 USPAT2

TITLE: Tear resistant gels and articles for every uses

INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES

PATENT ASSIGNEE(S): Applied Elastomerics, Inc., South San Francisco, CA,
UNITED STATES (U.S. corporation)

NUMBER	KIND	DATE
US 7226484	B2	20070605

APPLICATION INFO.: US 2004-912464 20040804 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2003-746196, filed
on 25 Dec 2003, PENDING Continuation-in-part of Ser.
No. US 2003-675509, filed on 30 Sep 2003, PENDING
Continuation-in-part of Ser. No. US 2003-613567, filed
on 2 Jul 2003, Pat. No. US 7093316 Continuation-in-part
of Ser. No. US 2003-420487, filed on 21 Apr 2003,
PENDING Continuation-in-part of Ser. No. US
2003-420488, filed on 21 Apr 2003, Pat. No. US 7134929
Continuation-in-part of Ser. No. US 2003-420489, filed
on 21 Apr 2003, PENDING Continuation-in-part of Ser.
No. US 2003-420490, filed on 21 Apr 2003, Pat. No. US
7105607 Continuation-in-part of Ser. No. US
2003-420491, filed on 21 Apr 2003, Pat. No. US 7093599
Continuation-in-part of Ser. No. US 2003-420492, filed
on 21 Apr 2003, PENDING Continuation-in-part of Ser.
No. US 2003-420493, filed on 21 Apr 2003, Pat. No. US
7067583 Continuation-in-part of Ser. No. US
2002-334542, filed on 31 Dec 2002, Pat. No. US 7159259
Continuation-in-part of Ser. No. US 2002-299073, filed
on 18 Nov 2002, ABANDONED Continuation-in-part of Ser.
No. US 2002-273828, filed on 17 Oct 2002, Pat. No. US
6909220 Continuation-in-part of Ser. No. US
2002-199361, filed on 20 Jul 2002, Pat. No. US 7134236
Continuation-in-part of Ser. No. US 2002-199362, filed
on 20 Jul 2002, PENDING Continuation-in-part of Ser.
No. US 2002-199363, filed on 20 Jul 2002, Pat. No. US
7108873 Continuation-in-part of Ser. No. US
2002-199364, filed on 20 Jul 2002, Pat. No. US 6794400
Continuation-in-part of Ser. No. US 2001-896047, filed
on 30 Jun 2001, PENDING Continuation-in-part of Ser.
No. US 2000-721213, filed on 21 Nov 2000, Pat. No. US
6867253 Continuation-in-part of Ser. No. US
2000-517230, filed on 2 Mar 2000, ABANDONED
Continuation-in-part of Ser. No. US 1999-412886, filed
on 5 Oct 1999, ABANDONED Continuation-in-part of Ser.
No. US 1999-412887, filed on 5 Oct 1999, ABANDONED
Continuation-in-part of Ser. No. US 1999-285809, filed
on 1 Apr 1999, ABANDONED Continuation-in-part of Ser.
No. US 1999-274498, filed on 28 Mar 1999, Pat. No. US
6420475 Continuation-in-part of Ser. No. US
1999-230940, filed on 3 Feb 1999, Pat. No. US 6161555
Continuation-in-part of Ser. No. US 1997-984459, filed
on 3 Dec 1997, Pat. No. US 6324703 Continuation-in-part
of Ser. No. US 1997-954424, filed on 20 Oct 1997, Pat.
No. US 6333374 Continuation-in-part of Ser. No. WO
1997-US17534, filed on 30 Sep 1997, PENDING
Continuation-in-part of Ser. No. US 1997-909487, filed
on 12 Aug 1997, Pat. No. US 6050871
Continuation-in-part of Ser. No. US 1997-863794, filed
on 27 May 1997, Pat. No. US 6117176
Continuation-in-part of Ser. No. US 1996-719817, filed
on 30 Sep 1996, Pat. No. US 6148830
Continuation-in-part of Ser. No. US 1996-665343, filed
on 17 Jun 1996, PENDING Continuation-in-part of Ser.
No. US 1996-612586, filed on 8 Mar 1996, Pat. No. US
6552109 Continuation-in-part of Ser. No. US
1995-581188, filed on 29 Dec 1995, ABANDONED
Continuation-in-part of Ser. No. US 1995-581191, filed
on 29 Dec 1995, Pat. No. US 5760117

Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, Pat. No. US 5962572
Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, Pat. No. US 5633286
Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994, PENDING Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994, PENDING Continuation-in-part of Ser. No. US 1993-130545, filed on 1 Oct 1993, Pat. No. US 5467626

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Lilling, Herbert J.
NUMBER OF CLAIMS: 6
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 55 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 4820
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Soft, tear resistant gel, gel composites and gel articles for various uses formed from one or a mixture of two or more block copolymers with or without one or more selected other polymers and additives in combination with one or more selected plasticizers being in sufficient amounts to achieve a gel rigidity of from about 20 gram Bloom to about 1,800 gram Bloom.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L2 ANSWER 5 OF 5 USPAT2 on STN
ACCESSION NUMBER: 2005:10537 USPAT2
TITLE: Tear resistant gels and articles for every uses
INVENTOR(S): Chen, John Y., Hillsborough, CA, UNITED STATES
PATENT ASSIGNEE(S): Applied Elastomerics, Inc., South San Francisco, CA,
UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7226484	B2	20070605
APPLICATION INFO.:	US 2004-912464	20040804	(10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-746196, filed on 25 Dec 2003, PENDING Continuation-in-part of Ser. No. US 2003-675509, filed on 30 Sep 2003, PENDING Continuation-in-part of Ser. No. US 2003-613567, filed on 2 Jul 2003, Pat. No. US 7093316 Continuation-in-part of Ser. No. US 2003-420487, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420488, filed on 21 Apr 2003, Pat. No. US 7134929 Continuation-in-part of Ser. No. US 2003-420489, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420490, filed on 21 Apr 2003, Pat. No. US 7105607 Continuation-in-part of Ser. No. US 2003-420491, filed on 21 Apr 2003, Pat. No. US 7093599 Continuation-in-part of Ser. No. US 2003-420492, filed on 21 Apr 2003, PENDING Continuation-in-part of Ser. No. US 2003-420493, filed on 21 Apr 2003, Pat. No. US 7067583 Continuation-in-part of Ser. No. US 2002-334542, filed on 31 Dec 2002, Pat. No. US 7159259 Continuation-in-part of Ser. No. US 2002-299073, filed on 18 Nov 2002, ABANDONED Continuation-in-part of Ser.		

No. US 2002-273828, filed on 17 Oct 2002, Pat. No. US 6909220 Continuation-in-part of Ser. No. US 2002-199361, filed on 20 Jul 2002, Pat. No. US 7134236 Continuation-in-part of Ser. No. US 2002-199362, filed on 20 Jul 2002, PENDING Continuation-in-part of Ser. No. US 2002-199363, filed on 20 Jul 2002, Pat. No. US 7108873 Continuation-in-part of Ser. No. US 2002-199364, filed on 20 Jul 2002, Pat. No. US 6794440 Continuation-in-part of Ser. No. US 2001-896047, filed on 30 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2000-721213, filed on 21 Nov 2000, Pat. No. US 6867253 Continuation-in-part of Ser. No. US 2000-517230, filed on 2 Mar 2000, ABANDONED Continuation-in-part of Ser. No. US 1999-412886, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-412887, filed on 5 Oct 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-285809, filed on 1 Apr 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-274498, filed on 28 Mar 1999, Pat. No. US 6420475 Continuation-in-part of Ser. No. US 1999-230940, filed on 3 Feb 1999, Pat. No. US 6161555 Continuation-in-part of Ser. No. US 1997-984459, filed on 3 Dec 1997, Pat. No. US 6324703 Continuation-in-part of Ser. No. US 1997-954424, filed on 20 Oct 1997, Pat. No. US 6333374 Continuation-in-part of Ser. No. WO 1997-US17534, filed on 30 Sep 1997, PENDING Continuation-in-part of Ser. No. US 1997-909487, filed on 12 Aug 1997, Pat. No. US 6050871 Continuation-in-part of Ser. No. US 1997-863794, filed on 27 May 1997, Pat. No. US 6117176 Continuation-in-part of Ser. No. US 1996-719817, filed on 30 Sep 1996, Pat. No. US 6148830 Continuation-in-part of Ser. No. US 1996-665343, filed on 17 Jun 1996, PENDING Continuation-in-part of Ser. No. US 1996-612586, filed on 8 Mar 1996, Pat. No. US 6552109 Continuation-in-part of Ser. No. US 1995-581188, filed on 29 Dec 1995, ABANDONED Continuation-in-part of Ser. No. US 1995-581191, filed on 29 Dec 1995, Pat. No. US 5760117 Continuation-in-part of Ser. No. US 1995-581125, filed on 29 Dec 1995, Pat. No. US 5962572 Continuation-in-part of Ser. No. US 1994-288690, filed on 11 Aug 1994, Pat. No. US 5633286 Continuation-in-part of Ser. No. WO 1994-US7314, filed on 27 Jun 1994, PENDING Continuation-in-part of Ser. No. WO 1994-US4278, filed on 19 Apr 1994, PENDING Continuation-in-part of Ser. No. US 1993-130545, filed on 1 Oct 1993, Pat. No. US 5467626

DOCUMENT TYPE:

Utility

FILE SEGMENT:

GRANTED

PRIMARY EXAMINER:

Lilling, Herbert J.

NUMBER OF CLAIMS:

6

EXEMPLARY CLAIM:

1

NUMBER OF DRAWINGS:

55 Drawing Figure(s); 6 Drawing Page(s)

LINE COUNT:

4820

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DET'D The limiting value of μ slashed. for which $\mu=\tan \alpha$ slashed. is true is call the angle of repose. Measurement of the tangent of this angle will give the coefficient of friction of the contacting surfaces of the block and the board that slide one upon the

other. As an example of low COF agents advantageously useful in soft thermoplastic elastomers and gels, excellent results is achieved with 50 grams of a polyphenolic with sterically hindered phenolic hydroxyl groups (Irganox 1010), about 100 grams of one or more nucleating agents (such as very fine particle size sodium benzoate, dibenzylidene sorbitol, its alkylated derivatives, talc, zinc sterate, amorphous silica, aluminum sterate, etc.) and 5,000 grams of S-EB-S and 25,000 gram of oil. The same excellent result is achieved when S-EB-S is adjusted to 3,000 grams, 4,000 grams, etc. The same result is achieved with copolymers as well as in combination with other polymers. Moreover, when about 50 grams of tetrakis[methylene 3,-(3'5'-di-tertbutyl-4" hydroxyphenyl) propionate] methane is use (per about 22.68 Kilograms or 50 lbs of gel) as a low COF agent, tack is completely removed from the surface of the gel after two to three weeks of blooming.

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COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	42.58	52.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	0.00	-0.82
CA SUBSCRIBER PRICE		

STN INTERNATIONAL LOGOFF AT 02:22:11 ON 30 MAR 2009